

Name of enzyme	No. of cleavages	Positions of cleavage sites
<u>Arg-C proteinase</u>	2	53 78
<u>Asp-N endopeptidase</u>	4	22 41 46 87
<u>CNBr</u>	2	1 39
<u>Chymotrypsin-high specificity (C-term to [FYW], not before P)</u>	4	3 7 14 49
<u>Chymotrypsin-low specificity (C-term to [FYWML], not before P)</u>	27	1 3 7 8 9 10 12 14 18 19 29 39 49 50 52 54 56 58 60 62 64 70 72 74 75 76 83
<u>Clostripain</u>	2	53 78
<u>Enterokinase</u>	1	48
<u>Glutamyl endopeptidase</u>	9	28 37 45 46 69 89 91 93 95
<u>Hydroxylamine</u>	1	66
<u>LysC</u>	3	5 36 48
<u>Pepsin (pH1.3)</u>	20	2 3 6 8 8 9 9 10 11 12 13 14 17 18 18 19 28 29 48 49
<u>Pepsin (pH>2)</u>	16	6 8 8 9 9 10 11 12 13 14 17 18 18 19 28 29
<u>Proline-endopeptidase</u>	1	81
<u>Proteinase K</u>	35	3 6 7 8 9 10 12 13 14 15 16 17 18 19 20 24 26 29 30 31 32 33 35 41 44 49 55 63 85 86 87 90 92 94 96
<u>Staphylococcal peptidase I</u>	8	28 37 45 69 89 91 93 95
<u>Thermolysin</u>	25	6 7 8 9 11 12 13 14 15 16 17 18 19 25 29 30 31 32 38 43 54 62 84 85 86
<u>Thrombin</u>	1	78
<u>Trypsin</u>	5	5 36 48 53 78

FIGURE 1

Metal	Zn ²⁺	Ni ²⁺	Cd ²⁺	Co ²⁺	Cu ²⁺
B _{max}	4.4 ± 0.12	4.3 ± 0.23	1.6	3.0 ± 0.2	11.0 ± 0.8
K _d (Apparent)	1.7 ± 0.29	6.9 ± 1.5	ND	9.0 ± 2.0	30.8 ± 5.3

FIGURE 2

Gateway Vectors	Promoter	AgNt84	GFP	HDEL Tag	Proposed Name	Selection in Agrobacterium	Selection in Plants
pMDC7	estradiol	+	-	-	pBEAN1	Spectinomycin	Hygromycin
pMDC7	estradiol	+	+	-	pBEAG1	Spectinomycin	Hygromycin
pMDC30	Hsp	+	-	-	pBHAN1	Kanamycin	Hygromycin
pMDC30	Hsp	+	+	-	pBHAG1	Kanamycin	Hygromycin
pMDC32	CaMV 35S	+	-	-	pBCAN1	Kanamycin	Hygromycin
pMDC32	CaMV 35S	+	+	-	pBCAG1	Kanamycin	Hygromycin

Figure 3a

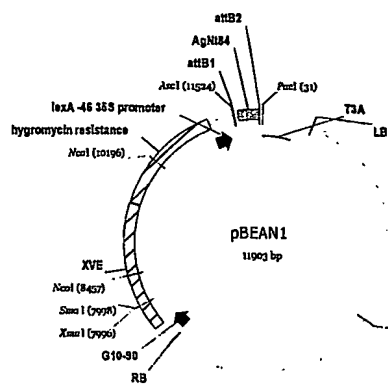


Figure 3b

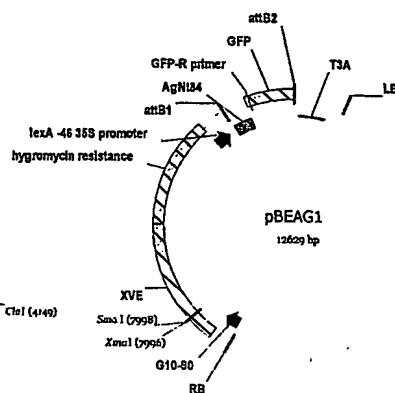


Figure 3c

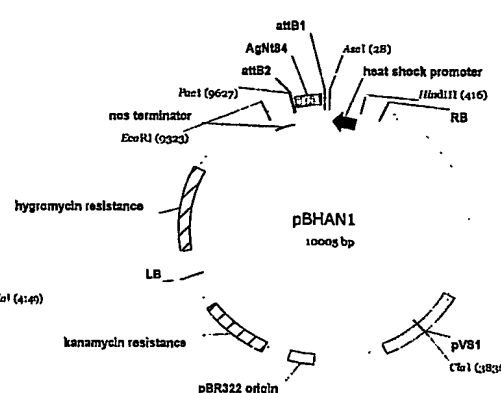


Figure 3d

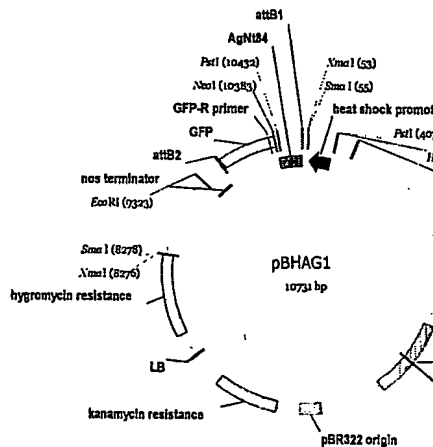


Figure 3e

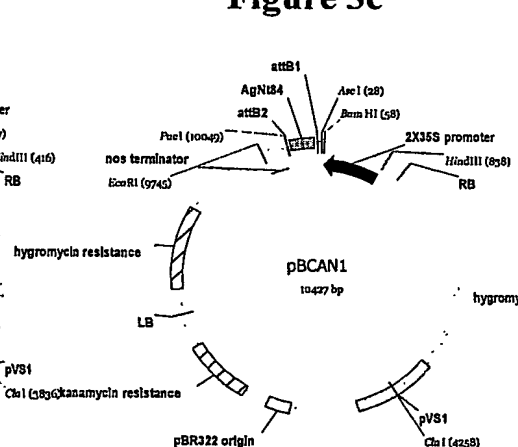


Figure 3f

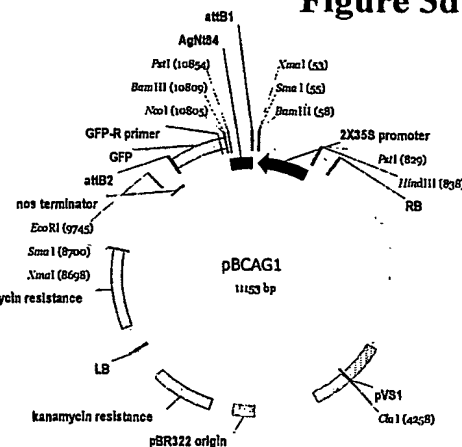


Figure 3g

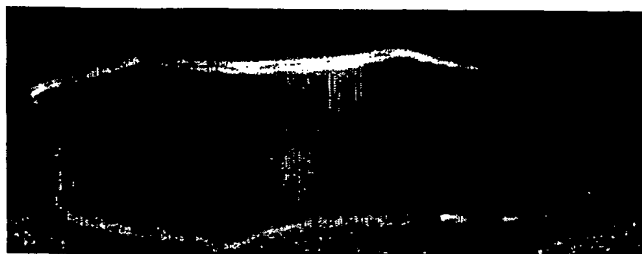


Figure 3h

Gateway Vectors	Promoter	AgNt84	GFP	HDEL Tag	Proposed Name	Selection in Agrobacterium	Selection in Plants
pMDC7	estradiol	+	+	+	pBEAGE1	Spectinomycin	Hygromycin
pMDC30	Hsp	+	+	+	pBHAGE1	Kanamycin	Hygromycin
pMDC202	CaMV 35S	+	+	+	pBCAGE1	Kanamycin	Hygromycin

Figure 4a

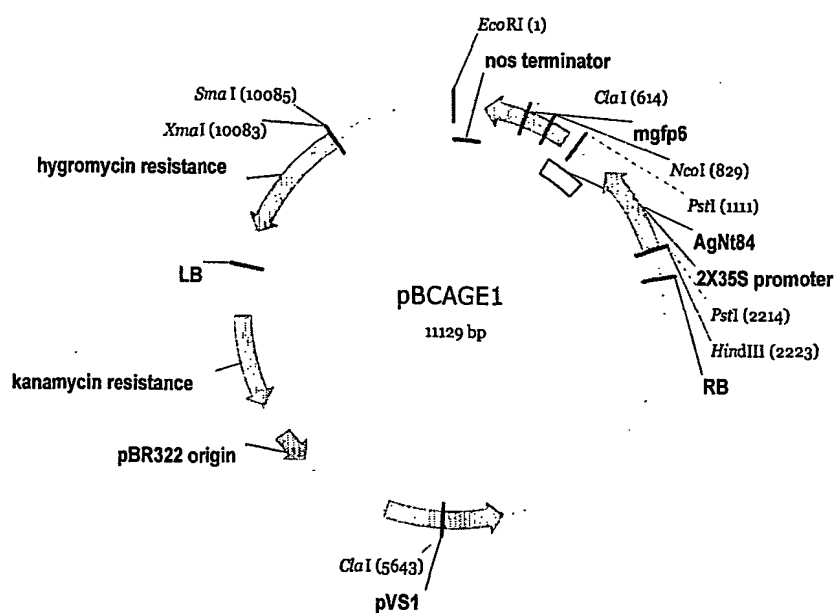


Figure 4b

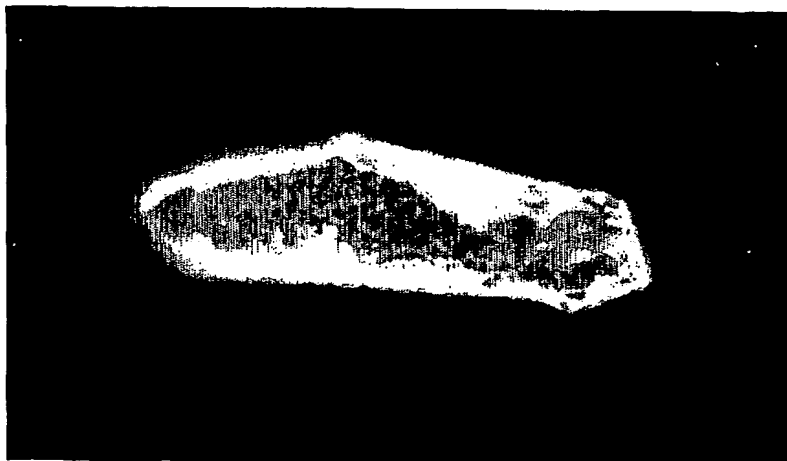


Figure 4c

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